

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636696

Luminaire Tested: GWS-SA4B-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10045.7 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

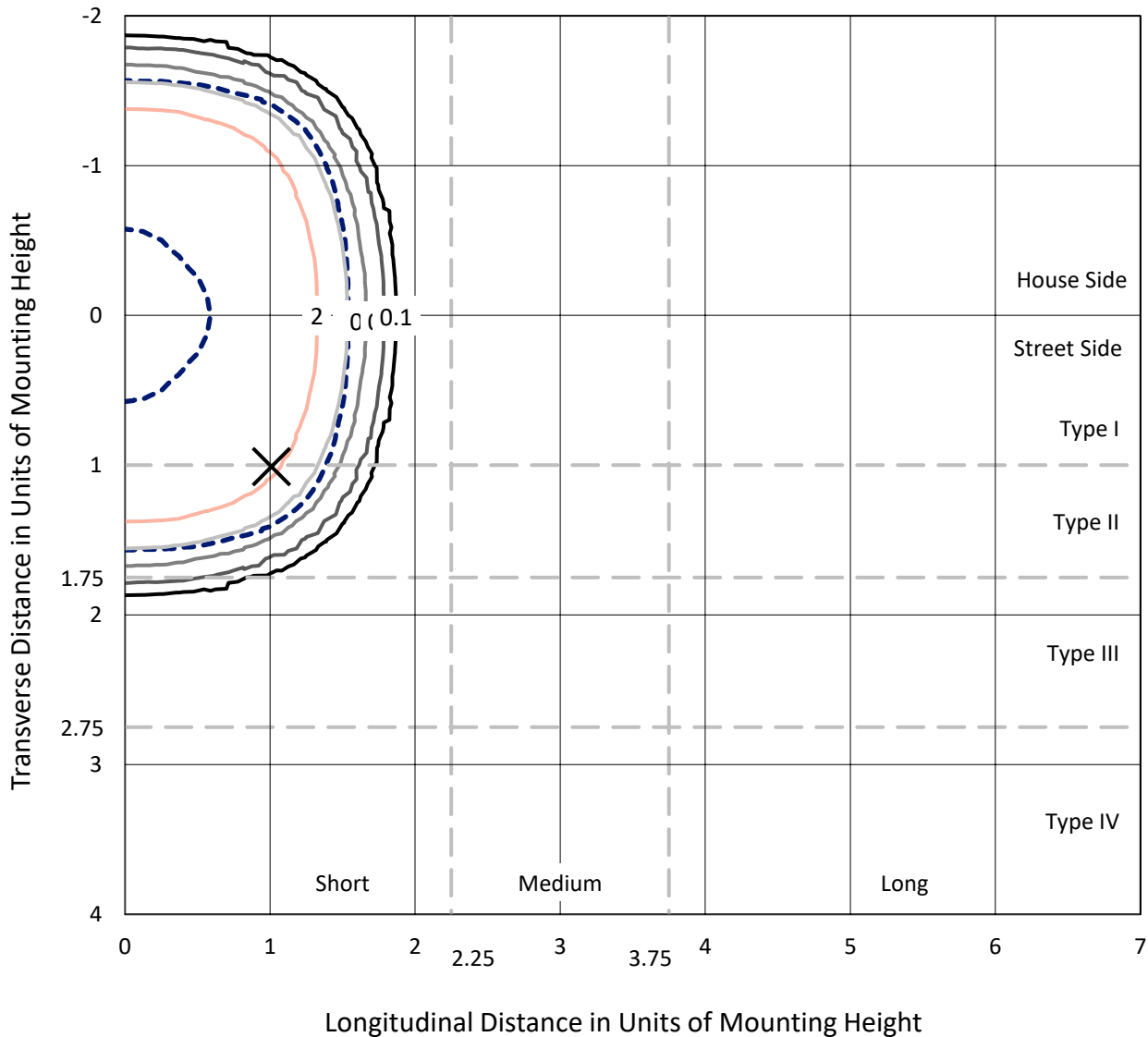


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Iso-Footcandle Lines of Horizontal Illumination

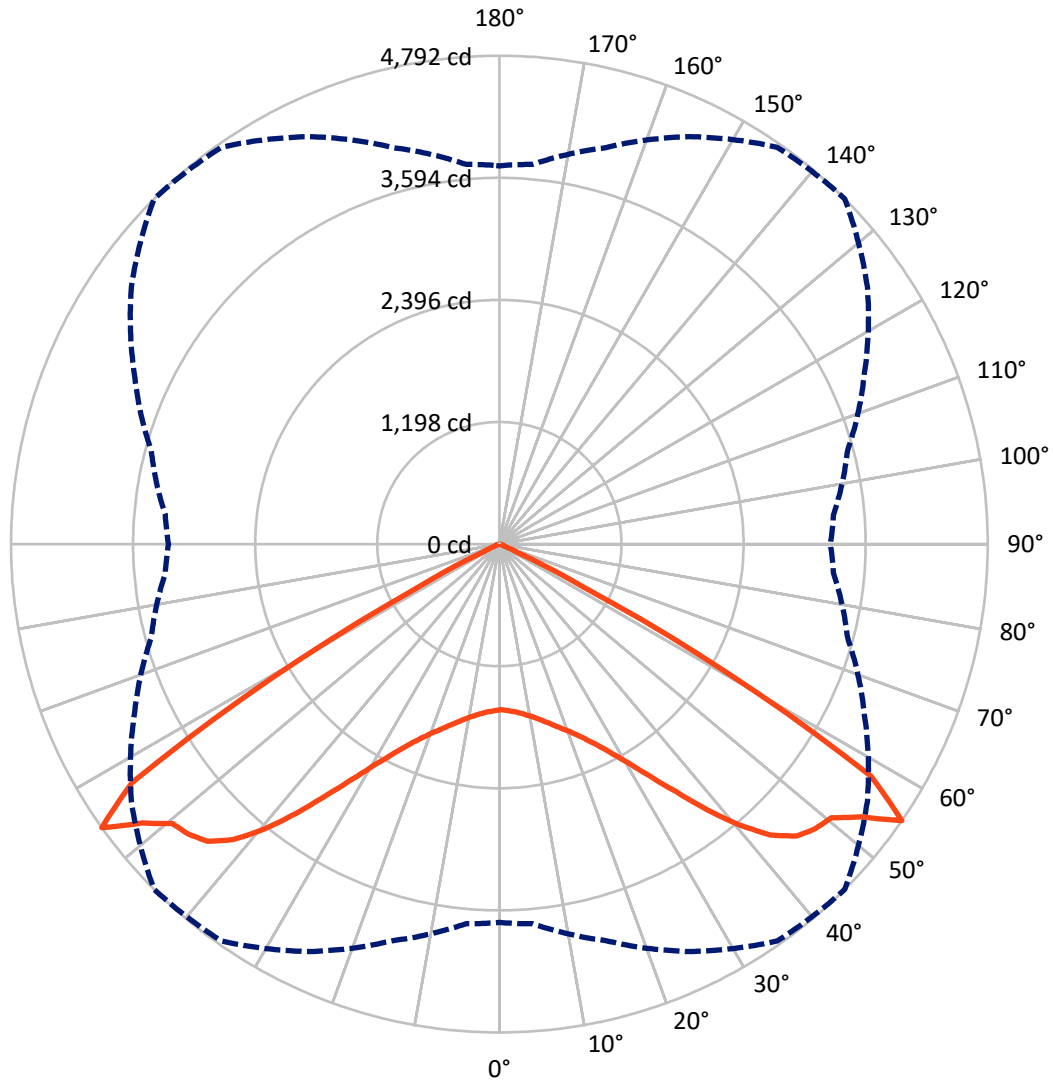
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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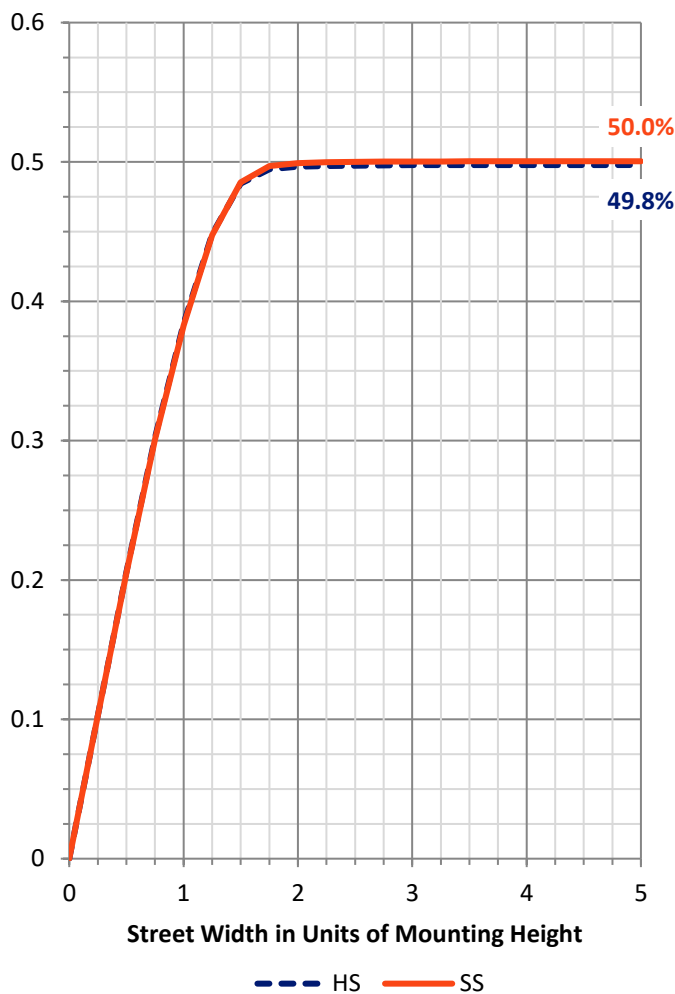
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5022.8	0.0	5022.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5022.8	0.0	5022.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10045.7	0.0	10045.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	1.6
10°-20°	515.8	5.1
20°-30°	999.0	9.9
30°-40°	1789.8	17.8
40°-50°	3000.7	29.9
50°-60°	3212.1	32.0
60°-70°	353.0	3.5
70°-80°	15.5	0.2
80°-90°	0.7	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10045.7	100.0
0°-180°	10045.7	100.0

Coefficient of Utilization



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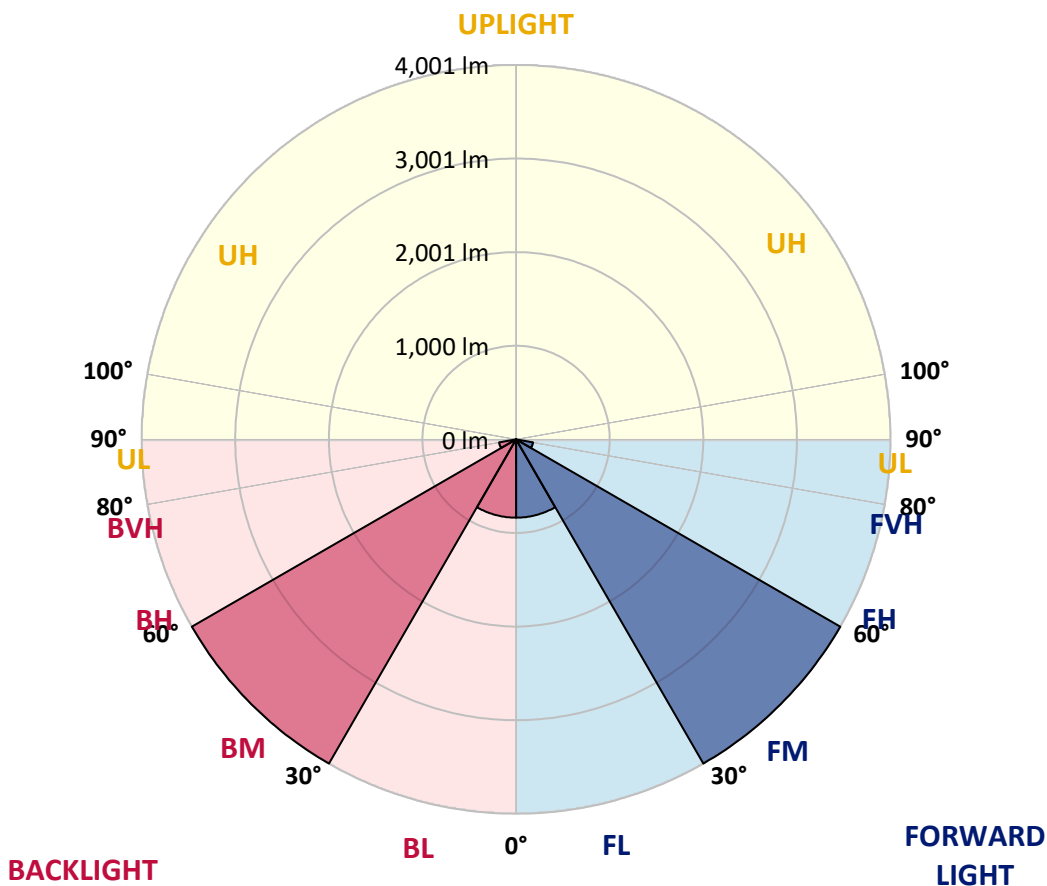
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	837.0	8.3			
FM (30°-60°)	4001.2	39.8			
FH (60°-80°)	184.2	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	837.0	8.3	B2/1000		
BM (30°-60°)	4001.2	39.8	B3/5000		
BH (60°-80°)	184.2	1.8	B1/500		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1624.2	1624.2	1624.2	1624.2	1624.2	1624.2	1624.2	1624.2	1624.2	1624.2	1624.2
2.5°	1621.1	1621.1	1625.2	1628.3	1628.3	1636.5	1633.4	1630.3	1630.3	1626.2	1634.4
5°	1644.7	1643.6	1647.7	1649.8	1645.7	1653.9	1648.8	1645.7	1643.6	1639.5	1647.7
7.5°	1670.3	1671.3	1672.3	1676.4	1674.3	1682.5	1678.4	1672.3	1670.3	1664.1	1672.3
10°	1701.0	1701.0	1703.0	1708.1	1709.1	1719.4	1715.3	1708.1	1702.0	1695.8	1704.0
12.5°	1739.8	1740.9	1743.9	1751.1	1755.2	1766.5	1760.3	1746.0	1736.8	1729.6	1738.8
15°	1796.1	1795.1	1799.2	1809.4	1814.6	1822.7	1813.5	1794.1	1782.8	1774.6	1780.8
17.5°	1857.5	1857.5	1859.6	1869.8	1877.0	1889.3	1878.0	1854.5	1844.2	1833.0	1839.1
20°	1925.1	1928.2	1930.2	1937.4	1949.6	1961.9	1952.7	1929.2	1917.9	1903.6	1910.8
22.5°	2014.1	2011.1	2012.1	2024.4	2041.8	2054.0	2046.9	2019.2	1999.8	1988.5	1992.6
25°	2113.4	2112.4	2115.4	2133.9	2153.3	2166.6	2156.4	2120.6	2101.1	2081.7	2089.9
27.5°	2235.2	2236.2	2238.3	2260.8	2291.5	2310.9	2285.3	2249.5	2222.9	2197.3	2203.5
30°	2379.5	2377.4	2383.6	2414.3	2459.3	2490.0	2460.3	2410.2	2372.3	2347.8	2350.8
32.5°	2533.0	2535.1	2551.4	2600.6	2659.9	2714.2	2653.8	2587.3	2538.1	2492.1	2498.2
35°	2698.8	2703.9	2740.8	2813.4	2910.7	2983.3	2899.4	2789.9	2720.3	2660.9	2663.0
37.5°	2894.3	2906.6	2957.7	3066.2	3205.4	3302.6	3179.8	3034.5	2944.4	2870.7	2865.6
40°	3151.2	3165.5	3235.1	3364.0	3532.9	3621.9	3479.7	3330.3	3218.7	3138.9	3126.6
42.5°	3445.9	3464.3	3540.1	3672.1	3841.0	3901.3	3762.2	3636.3	3536.0	3441.8	3437.7
45°	3778.5	3788.8	3850.2	3951.5	4073.3	4087.6	3983.2	3913.6	3812.3	3724.3	3717.1
47.5°	4090.7	4100.9	4142.9	4195.1	4223.7	4172.6	4154.1	4123.4	3992.4	3883.9	3861.4
50°	4328.1	4336.3	4388.5	4409.0	4329.1	4220.7	4256.5	4191.0	4048.7	3926.9	3892.1
52.5°	4311.7	4332.2	4466.3	4583.0	4532.8	4444.8	4348.6	4207.4	3986.3	3819.5	3776.5
55°	3712.0	3739.6	4027.2	4411.0	4753.9	4791.7	4406.9	3951.5	3536.0	3291.4	3247.4
57.5°	2385.6	2392.8	2743.8	3282.2	4054.9	4298.4	3654.7	2979.2	2462.4	2193.2	2174.8
60°	877.1	862.8	1127.8	1574.0	2335.5	2593.4	2151.3	1506.5	1074.6	884.3	868.9
62.5°	210.8	212.9	264.0	396.1	732.8	906.8	716.4	400.2	254.8	213.9	211.9
65°	106.4	104.4	105.4	113.6	156.6	187.3	153.5	108.5	104.4	105.4	104.4
67.5°	68.6	67.5	69.6	70.6	69.6	65.5	64.5	66.5	66.5	67.5	65.5
70°	42.0	40.9	43.0	46.1	44.0	38.9	40.9	43.0	40.9	39.9	39.9
72.5°	22.5	22.5	24.6	26.6	24.6	22.5	22.5	23.5	22.5	22.5	22.5
75°	10.2	10.2	11.3	12.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2
77.5°	3.1	3.1	4.1	4.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1
80°	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)